

Abstract

A combination of a constant-velocity joint and an axle unit for wheel-drive which comprises an outer race having an outer-ring raceway and being not rotatable even during use, a hub having an installation flange for supporting the wheel near the outside end, a first spline section and an inner-ring raceway near the inside end facing the outer-ring raceway, a drive member having a second spline section facing the first spline section, and a housing section forming an outer ring of the constant velocity joint, a plurality of rolling bodies between the outer-ring raceway and inner-ring raceway, the hub being engaged with the drive member by way of a spline connection with a pitch circle, and a coupling member adapted to freely deform elastically in the radial direction and located between and engaged with the first engagement section and the second engagement section so as to position the hub and drive member in the axial direction, wherein the clearance width in the circumferential direction on the pitch circle is controlled within the range of 0.001 mm to 0.10 mm.